

Proposed Modifications to AMC13 Firmware for g-2
 Ref current release 0x8029
 2015-12-08, E. Hazen

1. Disable TTC broadcast command “BC0”.
 Bunch number should wrap from 0xffff → 0x000 and increment the orbit number
2. Increase the length of the OrN field in the 2nd AMC header word to 32 bits
 (so it occupies bits [47:16]). Check all 32 bits and report OrN mismatch.
3. On receipt of OCR (Orbit count reset) TTC command, reset both the BcN and OrN.

The updated data format for spill data sent from the AMC (WFD) boards to the AMC13 is:



The only change is the addition of the OrN[31:16] field.